

- EPODOC / EPO

PN - JP8015404 A 19960119
PD - 1996-01-19
PR - JP19940149966 19940630
OPD - 1994-06-30
TI - GPS RECEIVING SYSTEM
IN - ICHINOKAWA TOSHIAKI
PA - NIPPON DENKI HOME ELECTRONICS
IC - G01S5/14 ; G01C21/00
- WPI / DERWENT

TI - GPS receiving system for identifying satellite that generated abnormal electric wave - includes position detector to detect receiving position of electric wave based on data from receiver

PR - JP19940149966 19940630
PN - JP8015404 A 19960119 DW199613 G01S5/14 004pp
PA - (NIDF) NEC HOME ELECTRONICS LTD
IC - G01C21/00 ; G01S5/14
AB - J08015404 The GPS receiving system has several base stations (6). An abnormal satellite detector (10) detects the abnormal satellite. A transmission device (11) transmits the detected data to a vehicle (5) moving at an arbitrary point. A receiver (12) provided in the vehicle outputs the data to a position detector (13).

- ADVANTAGE - Enables to know condition of satellite. Positions GPS satellite with high accuracy.

- (Dwg.1/4)
OPD - 1994-06-30
AN - 1996-119841 [13]

- PAJ / JPO

PN - JP8015404 A 19960119
PD - 1996-01-19
AP - JP19940149966 19940630
IN - ICHINOKAWA TOSHIAKI
PA - NEC HOME ELECTRON LTD
TI - GPS RECEIVING SYSTEM
AB - PURPOSE: To perform the position measuring operation only with the normal satellite without using the abnormal satellite for the position measuring operation when the information indicating the sound state of the satellite in the information from the GPS satellite is normally operating even if the information from the GPS satellite is the abnormal information caused by the faults and the like in the satellite.

- CONSTITUTION: In a base station (known point) 6, an abnormal-satellite detecting means 10 performs the position measurement by the combination of all satellites and detects the abnormal satellite. A transmitting means 11 transmits the detected data to a mobile station 5 at an arbitrary point. A receiving means 13 receives the transmitted data at the mobile station and outputs the data into a position detecting means 13. The data from the GPS satellite are intentionally manipulated, and the position measuring error is made to be extremely large, and even if the internal clock of the satellite is defective, sometimes an information that it is in a normal state is included as the information in the radio wave from the satellite. In this system, the GPS position measurement can be performed by using only the satellite, which is outputting the normal data.

I - G01S5/14 ; G01C21/00

- DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a computer readable medium, and a data processing station.
- USE - For determining position of mobile SPS receiver.
- ADVANTAGE - By transmitting cell object information, the mobile SPS receiver can determine its own position and also perform altitude aiding.

- DESCRIPTION OF DRAWING(S) - The figure shows the cell based communication system.

- Transmitter 13
- Communication receiver 16
- (Dwg.1/6)

USAB - US6061018 NOVELTY - A cell object information representing location or identification of cell site transmitter (13), is determined. Altitude of the transmitter, is determined from the cell object information selected based on transmitter which is in wireless communication with cell based communication receiver (16). Based on the determined altitude, position of satellite positioning system (SPS) receiver is calculated.

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OPD - 1998-05-05

DN - AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

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LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT UA UG UZ VN YU ZA ZW

DS - BE CY EA FR GR IE IT MC NL OA SZ LI

AN - 2000-062166 [05]